

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
FRSBE	TWO	FRSBE2.FRSBE	ONE	05/19/2022	<b>20 Apr 2023</b>

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**DP ROUTE DESCRIPTION:**

**FORT LAUDERDALE/HOLLYWOOD INTL:**

TAKEOFF RWY 10L: CLIMB ON HEADING 096.36 TO INTERCEPT COURSE 075.00 TO LLBOW, THEN ON TRACK 026.07/4.18 TO CROSS ROOM AT OR ABOVE 4000, THEN ON TRACK 346.76/4.42 TO YOLOO, THEN ON TRACK 297.58/4.99 TO LRICK, THEN ON TRACK 308.25/25.84 TO ALNZO, THENCE...

TAKEOFF RWY 10R: CLIMB ON HEADING 096.37 TO INTERCEPT COURSE 065.00 TO LLBOW, THEN ON TRACK 026.07/4.18 TO CROSS ROOM AT OR ABOVE 4000, THEN ON TRACK 346.76/4.42 TO YOLOO, THEN ON TRACK 297.58/4.99 TO LRICK, THEN ON TRACK 308.25/25.84 TO ALNZO, THENCE...

TAKEOFF RWY 28L: CLIMB ON HEADING 276.38 TO 580, THEN CLIMBING RIGHT TURN DIRECT DREDS, THEN ON TRACK 321.56/4.52 TO SHELZ, THEN ON TRACK 330.14/25.71 TO ALNZO, THENCE...

TAKEOFF RWY 28R: CLIMB ON HEADING 276.37 TO 580, THEN DIRECT DREDS, THEN ON TRACK 321.56/4.52 TO SHELZ, THEN ON TRACK 330.14/25.71 TO ALNZO, THENCE...

...ON TRACK 350.08/26.57 TO FRSBE, THEN ON (TRANSITION). MAINTAIN 4000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**FORT LAUDERDALE EXEC:**

TAKEOFF RWY 9: CLIMB ON HEADING 090.78 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

TAKEOFF RWY 13: CLIMB ON HEADING 135.80 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

TAKEOFF RWY 27: CLIMB ON HEADING 270.79 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING 315.80 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

**POMPANO BEACH AIRPARK:**

TAKEOFF RWY 6: CLIMB ON HEADING 059.66 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

TAKEOFF RWY 10: CLIMB ON HEADING 104.64 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

TAKEOFF RWY 15: CLIMB ON HEADING 149.65 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

TAKEOFF RWY 24: CLIMB ON HEADING 239.66 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING 284.64 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

TAKEOFF RWY 33: CLIMB ON HEADING 329.65 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO ALNZO, THENCE...

...ON TRACK 350.08/26.57 TO FRSBE, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
WAPOM	FRSBE2.WAPOM	FRSBE	WAPOM	TRACK 347.30	25.92	6000	1600	
STYMY	FRSBE2.STYMY	FRSBE	WAPOM	TRACK 347.30	25.92	6000	1600	
		WAPOM	STYMY	TRACK 345.87	45.59	6000	1600	

**PROCEDURAL DATA NOTES:**

NOTE: JET AIRCRAFT ONLY.

NOTE: ACCELERATE TO 250 KIAS, IF UNABLE, ADVISE ATC.

CHART NOTE: WAPOM TRANSITION FOR KMCO, KDAB, AND KMLB AREA ARRIVALS.



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**PBN REQUIREMENTS NOTES:**  
RNAV 1 - DME/DME IRU OR GPS.

**EQUIPMENT REQUIREMENT NOTES:**  
RADAR REQUIRED.

**TAKEOFF MINIMUMS:**  
**FORT LAUDERDALE/HOLLYWOOD INTL:**  
RWY 10L, 10R, 28L, 28R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 580.

**FORT LAUDERDALE EXEC:**  
RWY 9, 13, 31: STANDARD.  
RWY 27: STANDARD WITH MINIMUM CLIMB OF 227 FT PER NM TO 600.

**POMPANO BEACH AIRPARK:**  
RWY 6, 24, 28, 33: STANDARD.  
RWY 10: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 265 FT PER NM TO 300.  
RWY 15: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 425 FT PER NM TO 500.

**TAKEOFF OBSTACLES NOTES:**  
SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

**CONTROLLING OBSTACLES:**  
**FORT LAUDERDALE EXEC:**  
RWY 27: 411 FT MSL TOWER 261047.32N/0801314.71W

**POMPANO BEACH AIRPARK:**  
RWY 10: 213 FT MSL BUILDING 261438.31N/0800513.80W (CLIMB GRADIENT, CLIMB TO ALTITUDE, CEILING). 174 FT MSL BUILDING 261449.54N/0800511.19W (VISIBILITY).  
RWY 15: 308 FT MSL BUILDING 261351.00N/0800526.00W (CLIMB GRADIENT, CLIMB TO ALTITUDE, CEILING). 265 FT MSL BUILDING 261309.79N/0800527.07W (VISIBILITY).

**MSA:**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**  
FORT LAUDERDALE/HOLLYWOOD INTL - CHART: TOP ALTITUDE: 4000.  
FORT LAUDERDALE EXEC/POMPANO BEACH AIRPARK - CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
DME/DME ASSESSMENT: SAT (RNP 2.0).  
AIRPORT MV: FLL (P) 6W/2015, FXE 7W/2015, PMP 7W/2015.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KFLL	FORT LAUDERDALE	FL
KFXE	FORT LAUDERDALE	FL
KPMP	FORT LAUDERDALE	FL

**COMMUNICATIONS:**  
CHART: ATIS, CLNC DEL, GND CON, KFLL ATCT, KFXE ATCT, KPMP ATCT, CPLDC



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**FIXES AND/OR NAVAIDS:**

**REMARKS:**

ABBREVIATED AMENDMENT.  
 FORT LAUDERDALE/HOLLYWOOD INTL ONLY - CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.  
 ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.  
 TAKEOFF MINIMUMS AND CONTROLLING OBSTACLES FOR PMP AND FXE STANDARDIZED TO MATCH OTHER FL METROPLEX SIDS.

**FLIGHT INSPECTED BY**

<u>OFFICE</u>	<u>DATE</u>	<i>Digitally signed by</i>
		<b>ALLAN WILL</b>
		Nov 29, 2022

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT:  
 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**DEVELOPED BY**

*Digitally signed by*  
 MICHAEL R. GARRITY JR. **MICHAEL GARRITY**  
 Nov 01, 2022

<u>OFFICE</u>	<u>DATE</u>
AJV-A423	09/26/2022

**APPROVED BY**

MARLON ROBINSON

<u>OFFICE</u>	<u>DATE</u>	<i>Digitally signed by</i>	<u>TITLE</u>
AJV-A420		<b>ALLAN WILL</b>	MANAGER
		Nov 29, 2022	

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZMA, KFLI ATCT, KFYE ATCT, KPMP ATCT, KFLI DEP CON, EASTERN FPT, CPDLC

**CHANGES - REASONS:**

1. TRANSITION ROUTES: UPDATED TRANSITION COMPUTER CODES NUMBER TO REFLECT CURRENT AMENDMENT - REQUIRED DOCUMENTATION PER FAAO 8260.46H, PARA 3-1-5C CRITERIA.
2. TAKEOFF MINIMUMS: CHANGED POMPANO BEACH AIRPARK RWY 10 CLIMB-TO ALTITUDE FROM 280 TO 300 AND RWY 15 CLIMB-TO ALTITUDE FROM 470 TO 500 - CLIMB-TO ALTITUDES BASED ON OBSTACLE CLEARANCE ARE ROUNDED TO NEXT HIGHEST 100 FOOT INCREMENT PER FAAO 8260.3E, PARA 13-1-4B CRITERIA.
3. TAKEOFF MINIMUMS: CHANGED POMPANO BEACH AIRPARK RWY 15 CEILING/VISIBILITY FROM 400-1 3/8 TO 300-2 - CONTROLLING OBSTACLES REEVALUATED/UPDATED CEILING & VISIBILITY BASED ON NEW TARGETS EVALUATION/MATCHES KPMP TEXTUAL ODP.
4. ADDITIONAL FLIGHT DATA: ADDED "AIRPORT MV: FLL (P) 6W/2015, FXE 7W/2015, PMP 7W/2015" - CRITERIA CLARIFICATION MEMO (7/15/2022) TO MEMO 283 (6/2/2022).



FEDERAL AVIATION ADMINISTRATION  
 FLIGHT STANDARDS SERVICE  
 DEPARTURE (DATA RECORD)

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FRSBE	TWO	FRSBE2.FRSBE	ONE	05/19/2022	<b>20 Apr 2023</b>				
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW10L (AER)*	260436.98N/0800953.22W*	N	-	-	-	-			*DISP THLD (576 FT)
-	260435.75N/0800623.10W	-	-	VI	090.36	03.15			CG 500 FEET PER NM TO 580
LLBOW	260518.36N/0800420.24W	Y	FB	CF	069.00	01.97			
ROOOM	260914.71N/0800244.55W	Y	FB	TF	020.07	04.18	AT/ABOVE 4000		
YOLOO	261325.67N/0800421.65W	Y	FB	TF	340.76	04.42			
LRICK	261515.98N/0800931.19W	Y	FB	TF	291.58	04.99			
ALNZO	262903.83N/0803352.71W	Y	FB	TF	302.25	25.84			
RW10R (AER)	260357.19N/0800930.06W	N	-	-	-	-			
-	260356.24N/0800651.52W	-	-	VI	090.37	02.38			CG 500 FEET PER NM TO 580
LLBOW	260518.36N/0800420.24W	Y	FB	CF	059.00	02.65			
ROOOM	260914.71N/0800244.55W	Y	FB	TF	020.07	04.18	AT/ABOVE 4000		
YOLOO	261325.67N/0800421.65W	Y	FB	TF	340.76	04.42			
LRICK	261515.98N/0800931.19W	Y	FB	TF	291.58	04.99			
ALNZO	262903.83N/0803352.71W	Y	FB	TF	302.25	25.84			
RW28L (AER)	260356.67N/0800802.34W	N	-	-	-	-			
580 MSL	-	-	-	VA	270.38	-	AT/ABOVE 580		CG 500 FEET PER NM TO 580
DREDS	260456.67N/0801334.42W	Y	FB	DF	-	-			RIGHT TURN
SHELZ	260810.81N/0801705.35W	Y	FB	TF	315.56	04.52			
ALNZO	262903.83N/0803352.71W	Y	FB	TF	324.14	25.71			



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<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW28R (AER)*	260436.49N/0800827.48W*	N	-	-	-	-			*DISP THLD (606 FT)
580 MSL	-	-	-	VA	270.37	-	AT/ABOVE 580		CG 500 FEET PER NM TO 580
DREDS	260456.67N/0801334.42W	Y	FB	DF	-	-			RIGHT TURN
SHELZ	260810.81N/0801705.35W	Y	FB	TF	315.56	04.52			
ALNZO	262903.83N/0803352.71W	Y	FB	TF	324.14	25.71			
ALNZO	262903.83N/0803352.71W	Y	-	IF	-	-			
FRSBE	265441.19N/0804201.88W	Y	FB	TF	344.08	26.57			
FRSBE	265441.19N/0804201.88W	Y	-	IF	-	-			FRSBE2.WAPOM
WAPOM	271918.06N/0805121.54W	Y	FB	TF	341.30	25.92			
FRSBE	265441.19N/0804201.88W	Y	-	IF	-	-			FRSBE2.STYMY
WAPOM	271918.06N/0805121.54W	Y	FB	TF	341.30	25.92			
STYMY	280212.25N/0810905.47W	Y	FB	TF	339.87	45.59			

